

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: Master of E-Business (M.Eb)**  
**Semester: I**  
**Syllabus with Effect from: June-2010**

<b>Paper Code: PM01EMEB06</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Object Oriented Analysis &amp; Design</b>	

Unit	Description in Detail	Weightage (%)
I	System Concepts – The System Analyst – System Development Life Cycle – Structured System Analysis and Design Method (SSADM) – System Prototype Method	25%
II	The Object-Oriented Idea: Data Abstraction, Encapsulation, Polymorphism, and Inheritance – Object-Oriented Analysis – Object-Oriented Design	25%
III	Fact Gathering Techniques – Decision Tables and Decision Trees – Data Flow Diagrams – Data Dictionary – Entity-Relationship Analysis – Normalization – Design Essentials – Fundamentals of UML: Introduction – UML and the Process – Object-Oriented Modeling	25%
IV	Class & Object Diagrams – Use-Case Diagrams – Component & Deployment Diagrams – Sequence and Collaboration Diagrams – State Diagrams – Activity Diagrams	25%

**Basic Text & Reference Books:-**

- System Analysis, Design and Introduction to Software Engineering: By S Parthasarthy
- Learning UML: By Sinan Si Alhir, Publisher: O'Reilly
- System Analysis and Design: Kendall & Kendall, PHI

